

# EXECUTIVE RECOMMENDATION

## Blue Plains WWTP: Biosolids Mgmt PT2 - No. 954812

Category: WSSC  
 Agency: W.S.S.C.  
 Planning Area: Countywide  
 Relocation Impact: None

Date Last Modified: January 5, 2009  
 Required Adequate Public Facility: No

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Thru		Est. 6 Year		Beyond					
	Total	FY08	FY09	Total	FY10	FY11	FY12	FY13	FY14	FY15 6 Years
Planning, Design and Supervision	67,791	33,860	3,429	30,502	8,410	5,441	6,169	5,541	4,941	0
Construction	239,336	59,340	3,405	176,327	7,779	40,597	53,075	53,319	19,592	1,965
Other	3,071	932	68	2,068	162	460	592	589	245	20
<b>Total</b>	<b>310,198</b>	<b>94,132</b>	<b>6,902</b>	<b>208,897</b>	<b>16,351</b>	<b>46,498</b>	<b>59,836</b>	<b>59,449</b>	<b>24,778</b>	<b>1,985</b>

### FUNDING SCHEDULE (\$000)

Municipal (WSSC only)	17,028	5,167	379	11,467	898	2,552	3,285	3,263	1,360	109
System Development Charge	0	0	0	0	0	0	0	0	0	0
WSSC Bonds	293,170	88,965	6,523	197,430	15,453	43,946	56,551	56,186	23,418	1,876

### COMPARISON (\$000)

	Total	Thru FY08	Est. 6 Year		FY10	FY11	FY12	FY13	FY14	Beyond Approp. FY15 6 Years Request		
Current Approved	235,904	92,684	5,617	113,867	14,380	13,665	19,060	30,938	35,824	0	23,736	0
Agency Request	252,499	93,498	1,661	135,058	8,173	15,170	20,547	31,325	35,956	23,887	22,282	8,173
Recommended	310,198	94,132	6,902	208,897	16,351	46,498	59,836	59,449	24,778	1,985	267	16,351
CHANGE			TOTAL		%	6-YEAR		%	APPROP.			
Agency Request vs Approved			16,595		7.0%	21,191		18.6%	8,173 0.0%			
Recommended vs Approved			74,294		31.5%	95,030		83.5%	16,351 0.0%			
Recommended vs Request			57,699		22.9%	73,839		54.7%	8,178 100.1%			

#### Recommendation

APPROVE WITH MODIFICATIONS.

#### Comments

This project includes funding for WSSC's share of the Blue Plains Advanced Wastewater Treatment Plant "Biosolids Management Part 2" capital project.

WSSC's request was based on cost estimates prepared in the early fall using available information from the District of Columbia Water and Sewer Authority (WASA). In December, WASA provided updated cost figures based on its Proposed FY2008 - 2017 Capital Improvement Plan. The Executive recommends changes in the project estimates to align with the amounts proposed by WASA in its FY2008 - 2017 CIP.

The FY10 appropriation request for this project is \$16,351,000.

**A. Identification and Coding Information**

1. Project Number	Agency Number	Update Code
954812	S-22.07	Change

2. Date: October 1, 2008

7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.

Revised:

5. Agency: **WSSC**

3. Project Name: Blue Plains WWTP: Biosolids Management, Part 2

4. Program: **Sanitation** 6. Planning Area: Bi-County**B.****Expenditure Schedule (000's)**

Cost Elements	(8) Total	(9) Thru FY '08	(10) Estimate FY '09	(11) Total 6 Years	(12) Year 1 FY '10	(13) Year 2 FY '11	(14) Year 3 FY '12	(15) Year 4 FY '13	(16) Year 5 FY '14	(17) Year 6 FY '15	(18) Beyond 6 Years
Planning, Design & Supervision	47,050	33,860	592	11,811	1,999	2,328	1,891	1,726	1,963	1,904	787
Land											
Site Improvements & Utilities											
Construction	203,577	59,340	1,053	121,910	6,093	12,692	18,453	29,289	33,637	21,746	21,274
Other	1,872	298	16	1,337	81	150	203	310	356	237	221
<b>Total</b>	<b>252,499</b>	<b>93,498</b>	<b>1,661</b>	<b>135,058</b>	<b>8,173</b>	<b>15,170</b>	<b>20,547</b>	<b>31,325</b>	<b>35,956</b>	<b>23,887</b>	<b>22,282</b>

**C.****Funding Schedule (000's)**

WSSC Bonds	238,638	88,366	1,570	127,643	7,724	14,337	19,419	29,605	33,982	22,576	21,059
City of Rockville	13,861	5,132	91	7,415	449	833	1,128	1,720	1,974	1,311	1,223

**D. Description & Justification****DESCRIPTION**

This project includes funding for WSSC's share of the Blue Plains Wastewater Treatment Plant biosolids handling projects for which construction began after June 30, 1993. Major projects include: new digestion facilities; centrifuge thickener facilities; and solids processing building/dewatered sludge loading facility.

Service Area Bi-County Area

Capacity 370 MGD

**JUSTIFICATION****Plans & Studies**

The Blue Plains Intermunicipal Agreement of 1985; the WASA Master Plan (1998); EPMC IV Facility Plan (CH2MHILL, 2001); the Biosolids Management at DCWASA Blue Plains Wastewater Treatment Plant Phase II - Design and Cost Considerations for Treatment Alternatives Report (December 2007); and the DC-WASA Approved FY 2007 - FY 2016 Capital Improvement Program information (January, 2008).

**Specific Data**

This project is needed to implement a set of facilities which will provide a permanent biosolids management program for Blue Plains.

**Cost Change**

The cost increase in the six-year period is largely attributable to another year of construction of the deferred Digester Facility entering the last year of the period.

**STATUS** Not Applicable**OTHER**

The project scope has remained the same. Project costs are derived from the DC-WASA Capital & Operating Budget 10-year forecast of spending and WASA's latest project management data, and fully reflect WASA's current cost estimates and expenditure schedules. Given the open-ended nature of the Blue Plains projects, this PDF may not fully reflect the total project costs. These projects are, in fact, expected to continue indefinitely. As new sub-projects are added to the Blue Plains facility plans, the associated costs will be added to this project. Expenditures shown in Column 9 are post-Intermunicipal Agreement. The funding schedule also indicates the calculated Rockville share of the cost.

**COORDINATION**

District of Columbia Water & Sewer Authority (responsible for design and construction).

**NOTE** This project supports 100% System Improvement.**E. Annual Operating Budget Impact (000's)** FY of Impact

Program Costs	Staff .....	....
	Other .....	....
Facility Costs	Maintenance .....	....
	Debt Service .....	19442 *
Total Costs.....		19442 ....
Impact on Water or Sewer Rate.....		42¢ ....

**F. Approval and Expenditure Data (000's)**

Date First in Capital Program	FY 95
Date First Approved	FY 95
Initial Cost Estimate	77,296
Cost Estimate Last FY	235,904
Present Cost Estimate	252,499
Approved Request, Last FY	5,617
Total Expenditures & Encumbrances	93,498
Approval Request FY 10	8,173
Supplemental Approval Request Current FY (09)	

**G. Status Information**

Land Status:	Not applicable
% Project Completion:	On-Going
Est. Completion Date:	On-Going

**H. Map Map Reference Code:****MAP NOT AVAILABLE**